

CR Number: 2562
External Reference: SAFER CR 50
Category: XML, EDI, ICD
Component: CVISN Architecture and Standards
Synopsis: Request to review SAFER business rule regarding multiple VINs
Status: Approved
Disposition: [2007-07-26] Approved by J. Secrist 2007-01-23. Scheduled for SAFER 7.3.
Description: [2007-07-26] sbs SCR 50 has been updated by Volpe and has been approved for SAFER 7.3

Based on a series of discussions among the stakeholders about the current SAFER business rule implementation and the CVISN/PRISM business needs, this SCR 50 has been updated to reflect the following requirements for the vehicle registration business process. The summary document of the proposed rules and applicable business scenarios is attached to this SCR.

1. SAFER shall allow one vehicle to have multiple registrations in the same jurisdiction if the license plate and/or carrier will be different. Please note that this is different than the current business rule #1 that states that one vehicle shall only have one plate in the same jurisdiction at any given time. This new rule requires SAFER to support the following scenario.
 - SAFER shall update the existing registration record when the same vehicle is getting a new plate or a new carrier.
 - SAFER shall create a new registration record when the same vehicle is sold to a new carrier with a new license plate. Please note SAFER currently does an "update" in this scenario and this needs to be corrected.
 - SAFER shall create a new registration record when the same vehicle is registered in more than one state. Please note that SAFER currently supports this scenario.
2. SAFER shall only allow one license plate assigned to one vehicle at given time in the same jurisdiction. This rule stays the same as the current business rule #2. However, SAFER will need to be modified to support the following scenario.
 - SAFER shall update the existing registration record when an existing license plate is used by another vehicle regardless if the carrier is changed. SAFER will need to be modified to support it as the current logic would create a new record when the VIN is different.
 - SAFER shall create a new registration record when the same plate number is used by vehicles registered in different states and or with different carriers. SAFER currently supports this scenario.

Please note the CVISN/PRISM stakeholders recommend that states shall be responsible to maintain the data quality of the IRP_STATUS_CODE changes in CVIEW and submit to SAFER in the update files in a timely fashion. This data rule has no impact on SAFER processing.

HISTORY

Submitted on Dec 16th, 2003

Nebraska is requesting that the following SAFER business rule be reviewed.

The second business rule we would like reviewed is the requirement that the SAFER extract file does not allow more than one VIN entry within the same jurisdiction. It is my understanding that the file may contain duplicate VIN entries across jurisdictions but not within a jurisdiction. The same scenario that would create the situation where a vehicle appears in two jurisdictions could also happen, and does with some regularity, within a jurisdiction.

Vehicle A is registered under Carrier ABC Co. at the beginning of the registration year. Six months into the registration year, Vehicle A breaks lease with carrier ABC Co. and leases onto Carrier XYZ, Co. Carrier ABC Co. waits several weeks to file the appropriate paper work to

transfer registration fees from Vehicle A to newly added vehicle B. During the interim, vehicle A is technically active in both carrier ABC Co. and XYZ Co. Carrier ABC Co. paid registration fees for vehicle A and until such time that they direct the Department to either refund or transfer those fees, the vehicle remains active in their fleet. Carrier XYZ Co. has also paid registration fees for the same vehicle, so the vehicle is also active (albeit with a different plate number) in that fleet. I understand that from an enforcement perspective this may seem confusing, but today, if a check by VIN, were conducted on the Nebraska system under the example above, both vehicles would appear active until specific carrier initiated action would require us to inactivate one.

[2004-03-11] Discussed at 2004-01-15 ACCB meeting.

It was recommended that states not send a vehicle registration to SAFER when it is in a transitional state.

It is recommended that Volpe review this business rule as documented in the SAFER v4.2 ICD and as implemented in SAFER.

[2004-08-23] Discussed at 2004-08-19 ACCB meeting.

This CR, related to the problem of multiple VINs, was submitted by Nebraska in December, 2003. Nebraska has developed a workaround (handling the situation via edit, so that duplicate records are not sent to SAFER). This CR will be closed. However, Volpe will consider this issue as it relates to PRISM and potential future merging of data requirements and business rules of the CVISN and PRISM programs.

[2005-02-08] Discussed at 2005-01-20 ACCB meeting (as Volpe CR 50)

Volpe updates 2005-02-03 to CR 50:

"At the request of the stakeholder, this CR is reopened since CR 50 was created primarily for a transitional data issue. There are other business scenarios where non-transitional data in the state IRP system need to be uploaded to SAFER but are currently rejected by SAFER due to the business rule violation. The data sent by the states may contain both active and inactive records for the same vehicle as states desire to have inactive statuses sent to SAFER in order to ensure that the most accurate data are kept there and sent to other jurisdictions. This would require SAFER to modify the business logic to allow one vehicle to have more than one record accepted during data input processing. Additionally, states may have business practices where multiple license plates need to exist for one vehicle within the jurisdiction and this is not allowed by the existing SAFER business rule.

The current SAFER system implements the following business rules for vehicle registration transaction:

RULE 1: A VIN can only have one PLATE/STATE within a state at any given time.

RULE 2: A PLATE/STATE can only be assigned to one VIN within a state at any given time

Since modification of the business rules has great impact on the data exchanged between CVISN and SAFER, and potentially between CVISN/PRISM and SAFER, Volpe would like to re-evaluate the validity of the current business rules whether or not they support the current business practices and the future business requirements. Volpe would also like to solicit comments and feedback from the states whether there is sufficient interest in implementing the changes."

End Volpe 2005-02-03 updates.-----

[2005-03-01] Presented and discussed at the 2/17/05 ACCB meeting.

Comments from several states generally supported the idea that the proposed change would reflect business practices in their states. On the other hand, there were several states that currently follow the same business rules that SAFER has in place and opposed the idea. It was inconclusive at this point whether it was necessary or desirable (or neither) to modify the SAFER rules. Discussion was deferred until the March ACCB meeting. More input is needed from States.

[2006-11-21] Discussed at the 11/16/06 ACCB meeting.

The CVISN/PRISM subcommittee of the ACCB recommends that this CR be approved to allow

more than one registration record per VIN within the same jurisdiction. Recent changes to the SAFER database structure would accommodate this change. Volpe also noted that there should be a CR written to implement a capability for a state to select to receive the most recent record or all records via the subscription process. This would support SAFER CRs 50 and 1386.

[2007-01-18] Recommended for FMCSA Approval.

[2007-01-23] Approved by J. Secrist. Scheduled for SAFER 5.2.

[2007-05-17] Discussed at 2007-05-17 CVISN ACCB meeting. The analysis in SCR 50 needs to be updated to reflect discussion at the 2007-05-08 PRISM/CVISN Business Rules telecon. Scheduled for SAFER 5.3.

[2007-07-25] Volpe analysis of SCR 50 attached - "Include in CR 50 analysis.doc"

IMPACT on architecture:

No impact on documentation (other than SAFER ICD)

Fix:

Comment:

Attachment names: Include in CR 50 analysis.doc

Responsibility: Magnusson Nancy C

Modified Time: 7/27/2007 3:20:18 PM

Modified By: Salazar Sandra B

Entered On: 3/23/2004 11:13:12 AM

Entered By: Magnusson Nancy C

Severity: Medium

Priority: No

Type: Defect

Closed On: